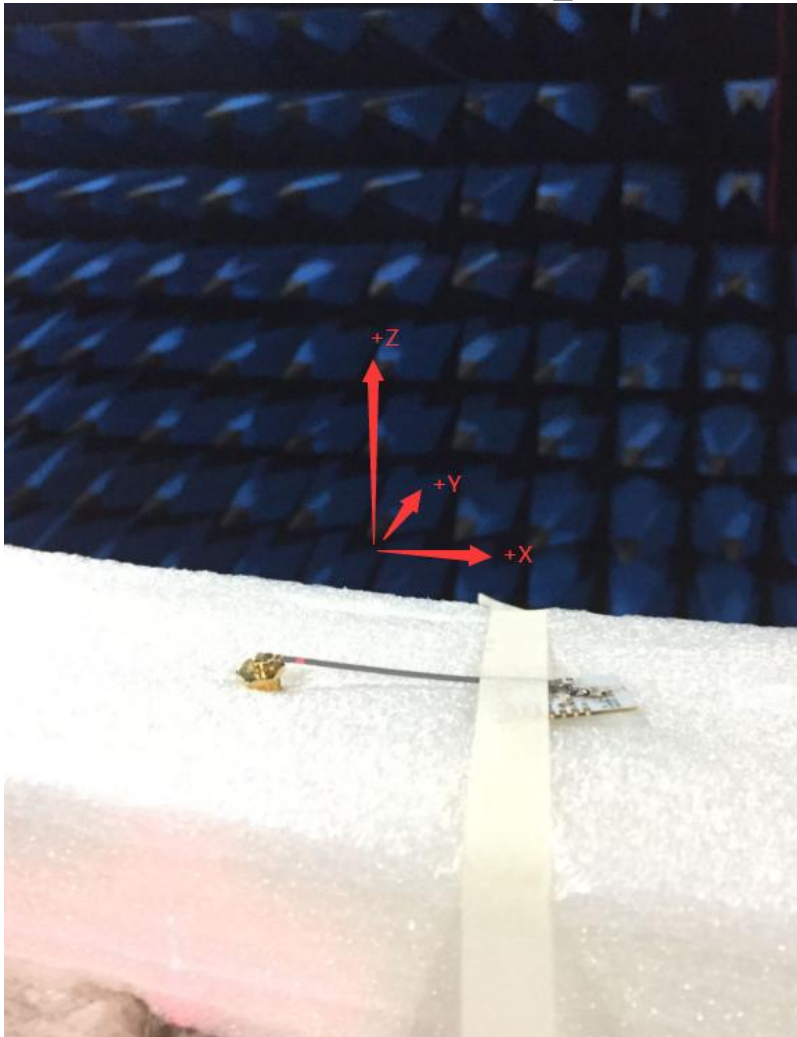


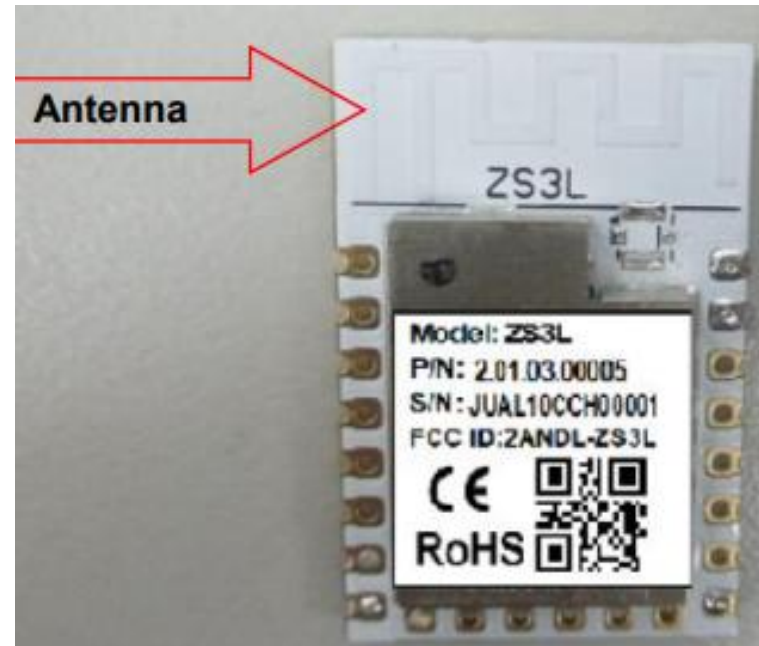
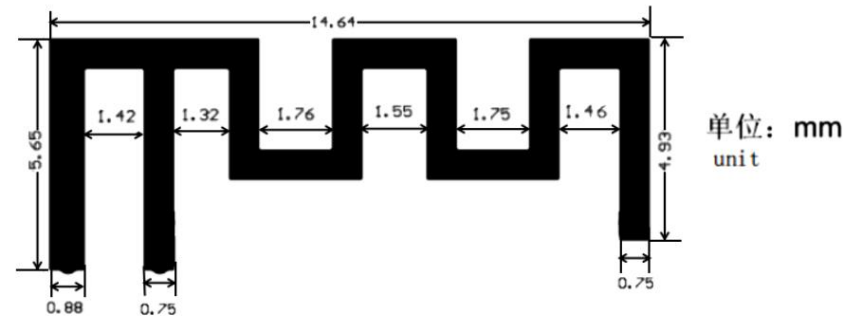
# Hangzhou Tuya Information Technology Co.,Ltd

|               |            |
|---------------|------------|
| Manufacturer: | Tuya       |
| Model:        | ZS3        |
| Antenna Type: | PCB        |
| Writed:       | Long Wang  |
| Date:         | 2020.10.11 |
| Versions:     | A          |

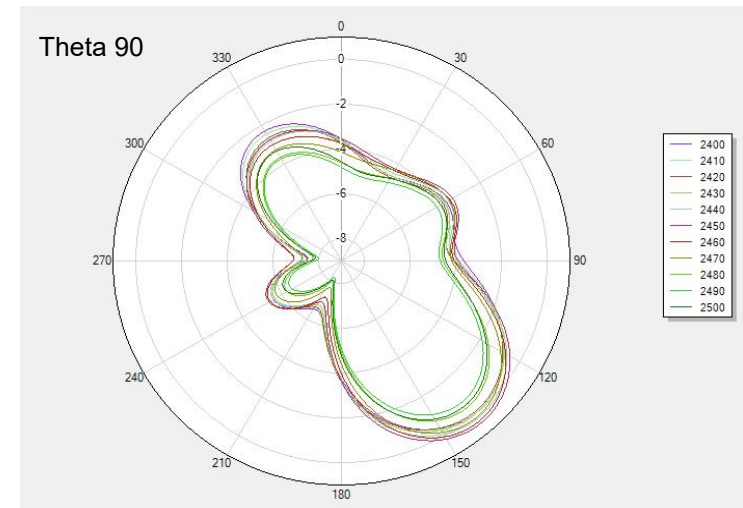
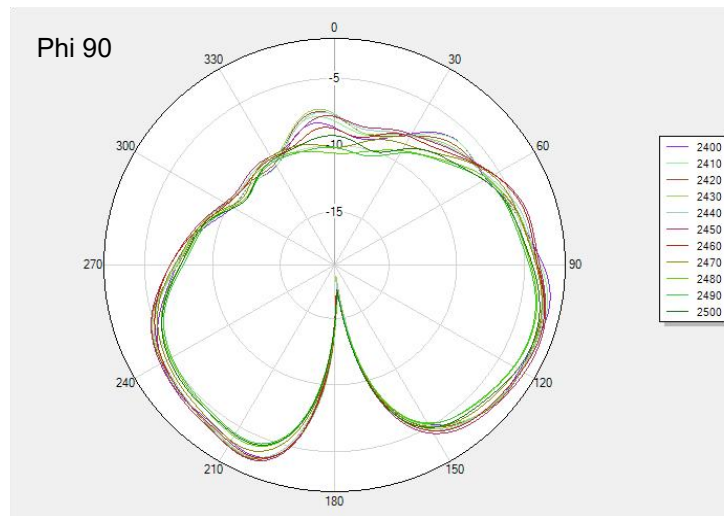
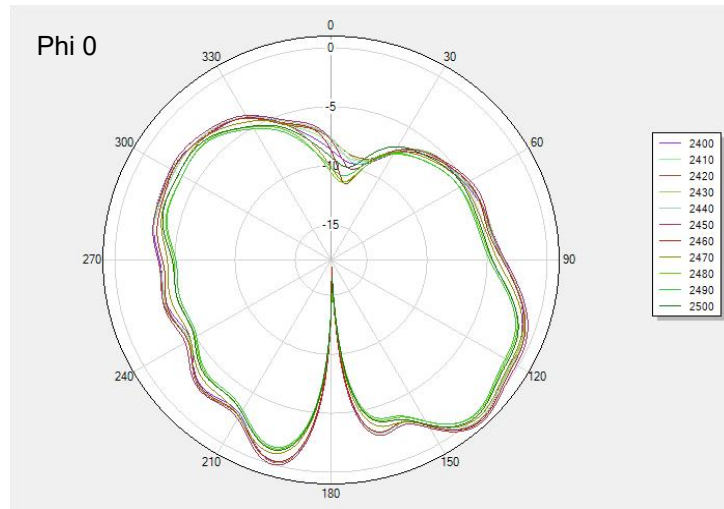
## Test Setup



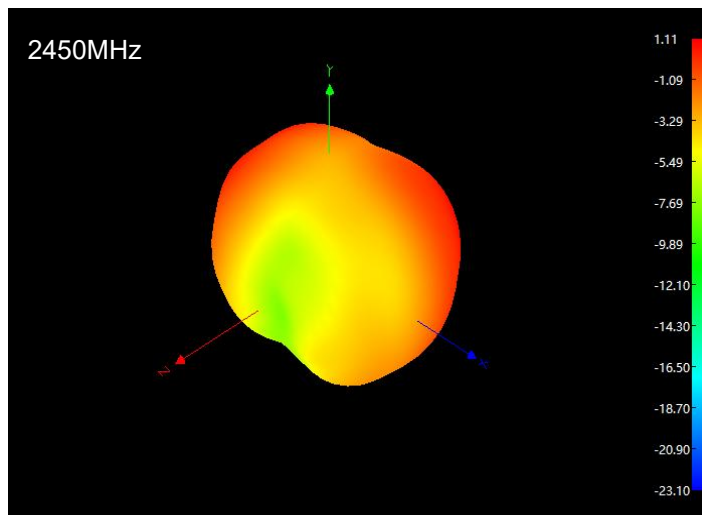
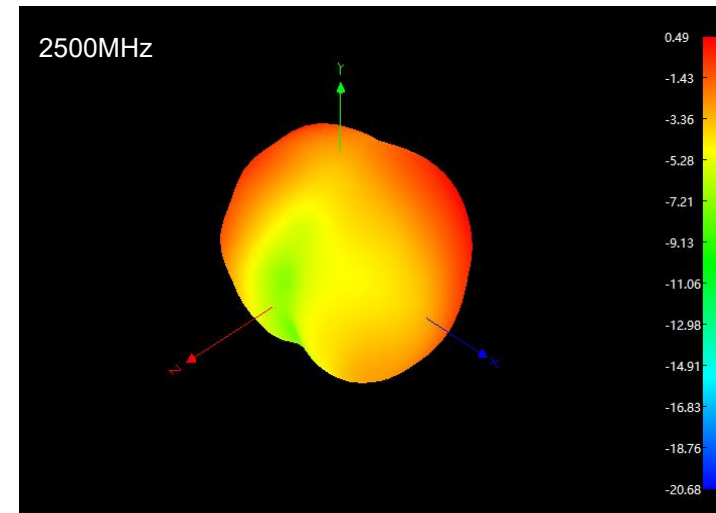
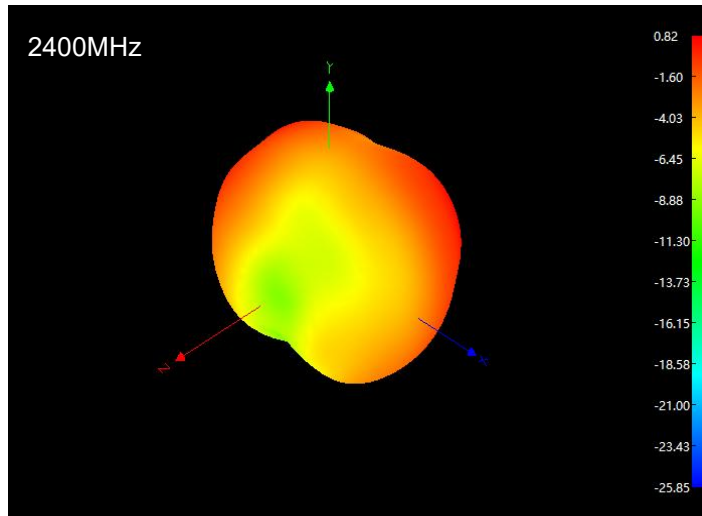
## Antenna Size



## 2D Pattern



## 3D Radiation Pattern



## Efficiency & Gain

| Frequency (MHz) | Efficiency (%) | Gain (dBi) |
|-----------------|----------------|------------|
| 2400            | 49.43          | 0.82       |
| 2410            | 49.43          | 0.78       |
| 2420            | 48.42          | 0.78       |
| 2430            | 48.19          | 0.67       |
| 2440            | 49.32          | 0.91       |
| 2450            | 52             | 1.11       |
| 2460            | 49.55          | 0.99       |
| 2470            | 45.19          | 0.66       |
| 2480            | 41.11          | 0.2        |
| 2490            | 38.99          | 0.2        |
| 2500            | 40.83          | 0.49       |